

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces any and all previous claims.

Claim 1 - 11 (Cancelled)

Claim 12 (New) A control system of a vehicle configured to self-diagnose a verification of a reception of signals from a plurality of switches, comprising:

- a first plurality of switches needing a verification of reception of a signal thereof and a second switch needing no verification of reception of a signal thereof;

- a control unit provided with a self-diagnosis function configured to verify the reception of the signals from said first plurality of switches;

- a function checker;

- a first communication line connecting said control unit with a first switch of said first plurality of switches to transmit a first signal issued from the first switch to said control unit;

- a second communication line connecting said control unit with the second switch to transmit a second signal issued from the second switch to said control unit;

- a third communication line for said function checker to intercept the first signal from said first communication line; and

- a fourth communication line configured to transmit a pseudo signal of the second signal from said function checker to said control unit through said second communication line when said function checker receives the first signal,

wherein when said function checker is connected with said control unit and also the first signal from said first switch is transmitted to said function checker through said third communication lines, said function checker transmits said pseudo signal to said control unit through said fourth communication lines, so that said control unit activates said self-diagnosis function based on said pseudo signal to establish a self-diagnosis mode in which self-diagnosis verification of reception of signals from the first plurality of switches is achieved.

13 (new) The control system according to claim 12, further comprising:

a fifth communication line connecting said control unit with an indicator to transmit a third signal issued from said control unit to said indicator; and

a sixth communication line over which said function checker intercepts said third signal from said fifth communication line;

wherein said control unit outputs a diagnosed result of the self-diagnosis as vehicle information data to the function checker through said sixth communication line.

14. (New) The control system according to claim 13, wherein the function checker displays a diagnosed result of the self-diagnosis based on the received vehicle information data.

15. (New) The control system according to claim 13, wherein said control unit outputs a diagnosed result of the self-diagnosis as an actuating control signal for controlling said indicator.

16. (New) The control system according to claim 12, wherein said first switch is an ignition switch.

17. (New) The control system according to claim 12, wherein said second switch is a door switch.

18. (New) The control system according to claim 13, wherein said indicator is at least either one of a room lamp or an indicator lamp.